



# भारत का राजपत्र

## The Gazette of India

प्राधिकार से प्रकाशित  
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No. 49] NEW DELHI, SATURDAY, DECEMBER 6, 1980 (AGRAHAYANA 15, 1902)

इस भाग में शिष्ट पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके  
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

### भाग III—खण्ड 2

#### [PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

#### THE PATENT OFFICE PATENTS AND DESIGNS

Calcutta, the 6th December 1980

APPLICATION FOR PATENTED AT THE HEAD  
OFFICE, 214, ACHARYA DISH BOSE ROAD,  
CALCUTTA-700 7.

The dates shown in crescent brackets are the dates claimed under Section of the Act.

29th October, 1980

1226/Cal/80. Linde Aktiengesellschaft. Separation of gaseous components from a gaseous mixture by physical scrubbing.

1227/Cal/80. Ray-O-Vac International Corporation. Insoluble anode.

1228/Cal/80. Suncor Inc. Treatment of tailings pond sludge. (October 31, 1979).

1229/Cal/80. Suncor Inc. Method for dewatering the sludge layer of an industrial process tailings pond. (October 31, 1979).

1230/Cal/80. Beloit Corporation. Roll bearing alignment.

30th October, 1980

1231/Cal/80. The Jacobs Manufacturing Company. Engine braking apparatus.

1232/Cal/80. The Jacobs Manufacturing Company. Improved solenoid.

1233/Cal/80. Combustion Engineering, Inc. Ash handling system with submerged scraper.

1234/Cal/80. Beloit Corporation. Method of wet pressing without wet felts using a porous belt.

357 GI/80

31st October, 1980

1235/Cal/80. Timir Baran Biswas. Bio-energy cart.

1236/Cal/80. Dr. C. Otto, & Comp. GMBH. Coke car for coke ovens.

1237/Cal/80. Suntech, Inc. Manufacture of a block copolymer containing a polyetheramide and a polylactam.

1st November, 1980

1238/Cal/80. Astilleros Espanoles, S.A. A duct combined with a ship's propeller having blade tip barrier plates.

1239/Cal/80. Cummins Engine Company, Inc. Reversible oil pan assembly.

1240/Cal/80. Westinghouse Electric Corporation. Thyristor with continuous emitter shunt.

1241/Cal/80. Fertilizer (Planning & Development) India Limited. Process for the manufacture of nitro phosphate fertilisers from urea nitrate and rock phosphate.

3rd November, 1980

1242/Cal/80. M. V. Panat. Electric lamp with two filaments and built-in switch for the second filament.

1243/Cal/80. Hoechst Aktiengesellschaft. Stabilized red phosphorus and process for its manufacture.

1244/Cal/80. Hoechst Aktiengesellschaft. Copper complex formazan compounds, process for their manufacture and their use as dyestuffs.

1245/Cal/80.—Hoechst Aktiengesellschaft. Copper formazan compounds processes for their preparation and their use as dyestuffs.

4th November, 1980

- 1246/Cal/80. MPD Technology Corporation. Photoelectrochemical cell.
- 1247/Cal/80. Air Products and Chemicals, Inc. Hydrogen sulfide concentrator for acid gas removal systems.
- 1248/Cal/80. Union Carbide Corporation. Method of preparing novel 2-aryl-1, 3-cyclohexane compounds. [Divisional date March 27, 1978].
- 1249/Cal/80. Voest-Alpine Aktiengesellschaft. Process for drying of organic solid materials, particularly brown coals.
- 1250/Cal/80. Lafarge and Lafarge Fondu International. Novel hydraulic binders based on portland cement clinkers and their process of obtention.

5th November, 1980

- 1251/Cal/80. Stainless Fabrications Limited. Method of sterilizing liquid food stuffs. (November 6, 1979).
- 1252/Cal/80. N. V. Philips' Gloeilampenfabrieken. Electronic device for the starting and a.c. voltage operation of a gas and/or vapour discharge lamp.
- 1253/Cal/80. Ireco Chemicals. Thermally stable emulsion explosive composition.
- 1254/Cal/80. Chemische Werke Munchen Otto Barlocher GMBH. A stabilizer-Lubricant composition for vinyl polymers containing a halogen.
- 1255/Cal/80. Alfa-Laval AB. Apparatus for heat treatment of milk and the like.
- 1256/Cal/80. Metal Box Limited. A method and tool for redrawing.

## ALTERATION OF DATE

148215. Ante-dated 20th January, 1977.  
698/Del/78.
148216. Ante-dated 20th January, 1977.  
679/Del/78.
148217. Ante-dated 20th January, 1977.  
680/Del/78.
148218. Ante-dated 20th January, 1977.  
681/Del/78.

## COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

"The classifications given below in respect of each specification are according to Indian Classification and International Classification."

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office.

CLASS 63A.

148208.

Int. Cl.-H02k 17/16.

## IMPROVED ELECTRIC MOTOR.

*Applicant & Inventor* : CRAVENS LAMAR WANLASS, OF 9871 OVERHILL DRIVE, SANTA ANA, CALIFORNIA 92705, U.S.A.

Application No. 850/Cal/77 filed June 8, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 15 Claims.

An improved electric motor comprising a stator including a magnetic core, a stator winding wound on the core, a rotor, an input adapted to be connected to a source of AC voltage, a capacitor, the capacitor and stator winding being series connected across the input, the capacitor being chargeable to a voltage sufficient, when added to the AC voltage, means connecting the main stator winding and the capacitor in a series circuit across the said input and wherein also provided means for introducing a control fluid into the said magnetic material to develop a volt-second value across the stator core greater than the volt-second capacity of the core thereby saturating the core in opposite directions each half cycle characterised in means for introducing a control magnetic fluid into the magnetic core thereby to vary the volt-second capacity of the core.

Comp. Specn. 14 Pages.

Drg. 2 Sheets.

CLASS 24D.

148209.

Int. Cl.-B61h 13/00.

## CONTROL VALVE FOR COMPRESSED-AIR BRAKES, ESPECIALLY FOR RAIL VEHICLES.

*Applicant* : KNORR-BREMSE GMBH, 8000 MUNCHEN 40, MOOSACHER STRASSE 80, FEDERAL REPUBLIC OF GERMANY.

*Inventors* : THOMAS STORZINGER, WOLFGANG GRUNERT, JOHANN HUBER AND HERMANN RAUM.

Application No. 1211/Cal/77 filed August 5, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 10 Claims.

Control valve for compressed-air brakes, especially of rail vehicles, with a three-pressure organ for the direct or indirect monitoring of the dashpot pressure and a maximum pressure limiting device limiting the pressure rise in the dashpot to a fixed maximum level by means of a valve which maximum pressure limiter is situated in a connecting line between the storage tank and the inlet valve of the three-pressure organ, where the maximum pressure limiter is impinged upon in closing direction by the pressure in the connecting line between the inlet valve of the three-pressure organ and the valve seat of the maximum pressure limiter, where further the valve body of the maximum pressure limiter, which is arranged in a surge chamber impinged upon by the pressure in the storage tank and which is also released from the storage tank pressure, consists of a valve plate interacting with the valve seat and a diaphragm connected with the said valve plate via a valve stem possessing a longitudinal borehole and guided in the valve housing in a sealed displaceable manner, and loaded in closing direction of the valve by the pressure in an impingement chamber which is linked to the connecting line via the longitudinal borehole, and where the valve stem is loaded by a spring in the opening direction of the valve, characterized in that one of the two parts, valve seat (14; 14') or valve plate (4; 41), is mounted on the part carrying it by means of a spherical bearing (17; 54, 61).

Comp. Specn. 16 Pages.

Drg. 2 Sheets.

CLASS 158E.

148210.

Int. Cl.-B61f 5/52.

## REINFORCED BOLSTER FOR RAILROAD CAR TRUCK.

*Applicant* : STANDARD CAR TRUCK COMPANY, OF 332 SOUTH MICHIGAN AVENUE, CHICAGO, ILLINOIS 60604, UNITED STATES OF AMERICA.

**Inventor :** ROBERT LEE BULLOCK.

Application No. 1673/Cal/77 filed December 1, 1977.

Conventional date April 28, 1977/(277, 229/77) CANADA.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 8 Claims.

A railroad car truck bolster comprising a top surface, a bottom surface, and side walls, a generally centrally disposed vertical rib extending between said top and bottom surface, and a plurality of generally vertically arranged spaced reinforcing means integral with said rib; said integral reinforcing means being spaced apart a horizontal distance sufficient to cause certain fractures in the rib propagating along lines of maximum shear stress at approximately 45 degrees to lines of principle stress to reach a reinforcing means at a point closer to the neutral axis of the rib than the next adjacent external surface of the rib.

Comp. Specn. 9 Pages.

Drg. 1 Sheet.

CLASS 40C & 62C.

148211.

Int. Cl.-B01f 3/18, 17/18, C09b 67/00.

#### AQUEOUS DYESTUFF DISPERSIONS.

**Applicant :** BAYER AKTIENGESellschaft, OF 5090 LEVERKUSEN, BAYERWERK, WEST GERMANY.

**Inventors :** VOLKER AIGN, KARLHEINZ WOLF, REINHOLD HORNLE, NORBERT PUSCH AND KLAUS WALZ.

Application No. 106/Del/78 filed February 9, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

#### 3 Claims.

Dyestuff dispersions containing 20—65% by weight of water-insoluble dyestuffs, 2—35% by weight of water-soluble oxalkylation products being condensation products formed from (a) phenol or a C6-C12 alkylphenol, (b) a C6-C20 alkylamine or cyclohexylamine, (c) formaldehyde and (d) to 100 mols of ethylene oxide, 0-20% by weight of nonionic or anionic surface-active agents, 5-20% by weight of water-retaining agents and 15-40% by weight of water.

Comp. Specn. 10 Pages.

Drg. 1 Sheet.

CLASS 99E & F.

148212.

Int. Cl.-B65d 11/00.

#### A CONTAINER FOR PACKAGING PRESSURIZED CARBONATED BEVERAGES.

**Applicant :** UCB, S.A., OF 4, CHAUSSEE DE CHARLEROI, SAINT GILLES-LEZ-BRUXELLES, BELGIUM.

**Inventors :** ROBERT HEIREMANS, AND ANDRE DEPUYDT.

Application No. 177/Del/78 filed March 8, 1978.

Convention date March 8, 1977/(09712/77) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

#### 20 Claims.

A container for packaging pressurized carbonated beverages having a cylindrical body provided with top and bottom end closures at the opposite ends thereof, said cylindrical body comprising : (a) at least one film of a synthetic or semi-synthetic organic polymer having a permeability to oxygen lower than  $6 \times 10^{-13}$  md.cm. cm<sup>2</sup>. sec. cm of mercury at 25°C and 0% relative air humidity ; (b) at least two films of a polyester; and (c) at least two layers of an organic thermoplastic binder having a permeability to water vapor lower than  $1 \times 10^{-14}$  g. cm/cm<sup>2</sup> sec. cm of mercury at 38°C and 90% relative air humidity, all the films of (a) and (b) being adhesively bonded together by means of the binder of (c) in the form of a cylindrical body, the wall of which has a

spirally or convolutely-wound structure, in which each film of (a) is separated both from the outside surface and from the inside surface of the cylindrical body by at least one film of (b) and at least one layer of (c).

Comp. Specn. 30 Pages.

Drg. 4 Sheets.

CLASS 35D & 152F & 155F.

148213.

Int. Cl.-C04b 11/14, C08h 13/00, C09k 3/00.

#### A METHOD OF MAKING WATERPROOFED GYPSUM PRODUCTS.

**Applicant :** GYPSUM INDUSTRIES LIMITED, OF CORNER BRAMMER & VAN LINGEN STREETS, GERMISTON, TRANSVAAL PROVINCE, REPUBLIC OF SOUTH AFRICA.

**Inventors :** SIMBERT WALTER MAIER AND ADRIAAN IOHANNES, HENDRIKUS LAMPRECHT.

Application No. 461/Cal/78 filed April 27, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 11 Claims.

A method of making waterproofed Gypsum products such as hereinbefore described comprises the steps of :—making a homogenous liquid mixture of pitch and a non-wettable organic material such as hereinbefore described which is substantially immiscible with pitch and is a solid at ambient temperatures, the temperature of the mixture being above the melting point of the mixture and below the boiling point of the mixture and its constituents the pitch to organic material ratio being between 25:1 and 7:1; mixing the liquid mixture with gypsum in the hemi-hydrate form and water to form a slurry having the correct water demand, the weight of liquid melting point of the mixture and below the boiling point of weight of hemi-hydrate gypsum on a dry weight basis; forming the resultant slurry into the required shape in a known manner; allowing the formed slurry to set and if the said gypsum product is desired to be provided with a lining of paper allowing the formed slurry to set in contact with the paper waterproofed by saturation with a highly penetrating bituminous compound; and heating the set slurry to a temperature high enough to melt both the pitch and the organic material but low enough to prevent deterioration of the set slurry.

Comp. Sepcn. 15 Pages.

Drg. 2 Sheets.

CLASS 129P.

148214.

Int. Cl.-B23b 3/30.

#### IMPROVED LATHE FOR MACHINING TWO ROLLS SIMULTANEOUSLY.

**Applicant :** TEA SALES & ALLIED INDUSTRIES (INDIA) PVT. LTD., OF 9, R. N. MUKHERJEE ROAD, CALCUTTA-700 001, WEST BENGAL, INDIA.

**Inventors :** DEV RAJ CAPUR SANTOKH SINGH AND JASPAL SINGH DEO.

Application No. 212/Cal/77 filed February 14, 1977.

Complete Specification left May 15, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 8 Claims.

An improved lathe for the simultaneous machining of two rolls, particularly but not exclusively, the rolls for a CTC machine, which comprises a lathe bed located on vibration free supports, said bed having mounted thereon at its longitudinally opposite ends a headstock and tail stock adapted to carry therebetween a pair of laterally spaced spindles about which the rolls to be machined are mounted each spindle being provided with independent means for holding the rolls in place, said lathe bed constituting a carriage for means adapted to move longitudinally of said carriage, said longitudinally movable means being connected to a pair of heavy duty tool holders each housing a tool and located one on either side of the roll-carrying spindles, said tool holders being adapted to be moved simultaneously by said movable means

in the axial direction of the rolls and/or to be adjusted in any desired angular direction whereby the tools make simultaneous contact with the roll surfaces and a drive source for rotating the spindles having the rolls mounted thereabout simultaneously and at the same speed.

Prov. Specn. 6 Pages. Comp. Specn. 8 Pages. Drg. 2 Sheets.

CLASS 32F, & F\*. 148215.

Int. Cl.-C07d 27/00, 29/00.

#### A PROCESS FOR PREPARING PROLINE DERIVATIVES.

*Applicant* : E. R. SQUIBB & SONS, INC., OF LAWRENCEVILLE-PRINCETON ROAD, PRINCETON, NEW JERSEY 08540, UNITED STATES OF AMERICA.

*Inventors* : MIGUEL ANGEL ONDETTI AND DAVID WAYNE CUSHMAN.

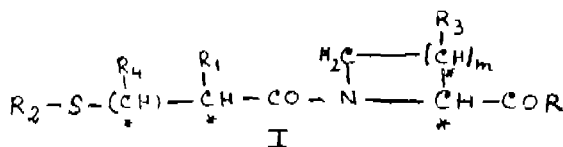
Application No. 698/Del/78 filed September 19, 1978.

Division of Application No. 84/Cal/77 filed January 20, 1977.

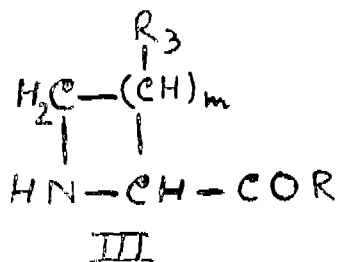
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

#### 25 Claims.

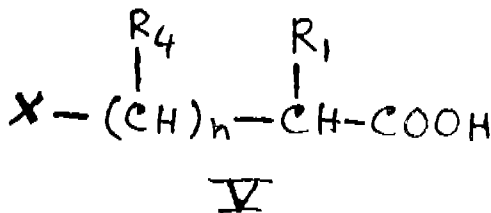
A process for preparing a compound of the formula I.



wherein R is hydroxy, NH<sub>2</sub> or lower alkoxy; R<sub>2</sub> and R<sub>4</sub> each is hydrogen, lower alkyl, phenyl or phenyl-lower alkyl; R<sub>1</sub> is hydrogen, lower alkyl, phenyl, substituted phenyl wherein the phenyl substituent is halo, lower alkyl or lower alkoxy, phenyl-lower alkyl, diphenyl-lower alkyl, triphenyl-lower alkyl, lower alkylthio-methyl, phenyl-lower alkylthiomethyl, lower alkanoyl amidomethyl, R<sub>3</sub> — C — R<sub>5</sub> is hydrogen, hydroxy or lower alkyl; R<sub>5</sub> is lower alkyl, phenyl or phenyl-lower alkyl; m is 1, 2 or 3; n is 0, 1 or 2; and basic salts thereof such as ammonium salts, alkali metal salts, alkaline earth metal salts, salts with organic bases and salts with amino acids, formed in a conventional manner, characterized by acylating a compound of the formula III.



with an acid of the formula V



wherein X is bromo, chloro, iodo or tosyloxy and the resulting product is then subjected to a displacement reaction with the anion of a thiol or thioacid of the formula VII.

R<sub>2</sub> — SH (VII)

wherein R, R<sub>2</sub>, R<sub>3</sub>, R<sub>4</sub>, R<sub>5</sub>, m and n are as defined above.

Comp. Specn. 39 Pages.

Drg. 2 Sheets.

CLASS 32F, & F\*b.

148216.

Int. Cl.-C07d 27/00, 29/00.

#### A PROCESS FOR PREPARING PROLINE DERIVATIVES.

*Applicant* : E. R. SQUIBB & SONS, INC., OF LAWRENCEVILLE-PRINCETON, NEW JERSEY 08540, UNITED STATES OF AMERICA.

*Inventors* : MIGUEL ANGEL ONDETTI AND DAVID WAYNE CUSHMAN.

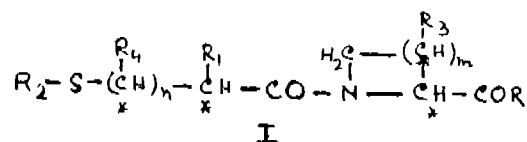
Application No. 679/Del/78 filed September 19, 1978.

Division of Application No. 84/Cal/77 filed January 20, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

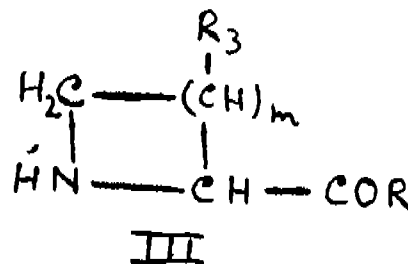
#### 23 Claims.

A process for preparing a compound of the formula I.

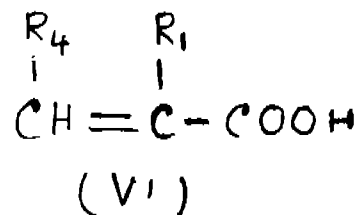


wherein R is hydroxy, NH<sub>2</sub> or lower alkoxy; R<sub>1</sub> and R<sub>4</sub> each is hydrogen, lower alkyl, phenyl or phenyl-lower alkyl; R<sub>2</sub> is hydrogen, lower alkyl, phenyl, substituted phenyl wherein the phenyl substituent is halo, lower alkyl or lower alkoxy, phenyl-lower alkyl, diphenyl-lower alkyl, triphenyl-lower alkyl, lower alkylthiomethyl, phenyl-lower alkylthiomethyl, lower alkanoylamidomethyl,

R<sub>5</sub> — C — ; R<sub>3</sub> is hydrogen, hydroxy or lower alkyl; R<sub>5</sub> is lower alkyl, phenyl or phenyl-lower alkyl; m is 1, 2 or 3; and basic salts thereof such as ammonium salts, alkali metal salts, alkaline earth metal salts, salts with organic bases and salts with amino acids, formed in a conventional manner, characterized by acylating a compound of the formula III.



with an acid halide of a compound of the formula VI.



and the resulting product is subjected to an addition reaction with a thiol or thioacid of the formula VII.

R<sub>2</sub> — SH (VII)

to form the desired products, wherein R, R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub>, R<sub>4</sub> and m are as defined above.

Comp. Specn. 17 Pages.

Drg. 2 Sheets.

CLASS 32F<sub>1</sub> & F<sub>2b</sub>.

148217.

Int. Cl.-C07d 27/00, 29/00.

## A PROCESS FOR PREPARING PROLINE DERIVATIVES.

*Applicant* : E. R. SQUIBB & SONS, INC., OF LAWRENCEVILLE-PRINCETON ROAD, PRINCETON, NEW JERSEY 08540, UNITED STATES OF AMERICA.

*Inventors* : MIGUEL ANGEL ONDETTI AND DAVID WAYNE CUSHMAN.

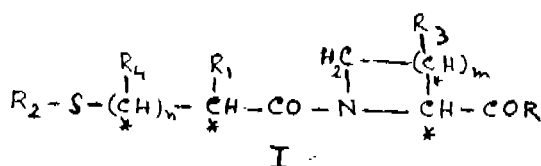
Application No. 680/Del/78 filed September 19, 1978.

Division of Application No. 84/Cal/77 filed January 20, 1977.

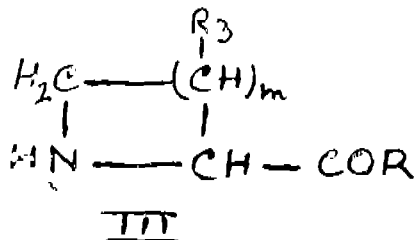
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

## 15 Claims.

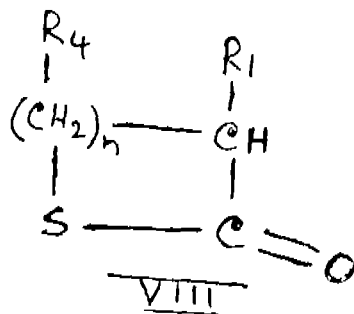
A process for preparing a compound of the formula I.



wherein R is hydroxy, NH<sub>2</sub> or lower alkoxy; R<sub>2</sub> and R<sub>4</sub> each is hydrogen, lower alkyl, phenyl or phenyl-lower alkyl; R<sub>1</sub> is hydrogen; R<sub>3</sub> is hydrogen, hydroxy or lower alkyl; m is 1, 2 or 3; n is 1 or 2; and basic salts thereof such as ammonium salts, alkali metal salts, alkaline earth metal salts, salts with organic bases and salts with amino acids, formed in a conventional manner, characterized by acylating a compound of the formula III.



with a thiolactone of the formula VIII.



wherein R, R<sub>2</sub>, R<sub>3</sub> and R<sub>4</sub> have the meanings given above and in Formula VIII n is 1 or 2 to form the desired products.

Comp. Specn. 11 Pages.

Drg. 1 Sheet.

CLASS 32F<sub>1</sub> & F<sub>2b</sub>.

148218.

Int. Cl.-C07d 27/00, 29/00.

## A PROCESS FOR PREPARING PROLINE DERIVATIVES.

*Applicant* : E. R. SQUIBB & SONS, INC., OF LAWRENCEVILLE-PRINCETON ROAD, PRINCETON, NEW JERSEY 08540, UNITED STATES OF AMERICA.

*Inventors* : MIGUEL ANGEL ONDETTI AND DAVID WAYNE CUSHMAN.

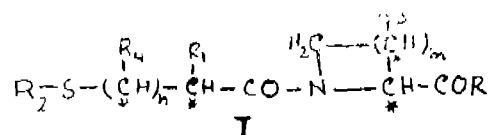
Application No. 681/Del/78 filed September 19, 1978.

Division of Application No. 84/Cal/77 filed January 20, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 31 Claims.

A process for preparing a compound of the formula I.



wherein R is hydroxy, NH<sub>2</sub> or lower alkoxy; R<sub>2</sub> and R<sub>4</sub> each is hydrogen, lower alkyl, phenyl or phenyl-lower alkyl; R<sub>1</sub> is hydrogen, lower alkyl, phenyl substituted phenyl wherein the phenyl substituent is halo, lower alkyl or lower alkoxy, phenyl-lower alkyl, diphenyl-lower alkyl, triphenyl-lower alkyl, lower alkylthiomethyl, phenyl-lower alkylthiomethyl.

wherein R is hydroxy, NH<sub>2</sub> or lower alkoxy; R<sub>2</sub> and R<sub>4</sub> each is hydrogen, lower alkyl, phenyl or phenyl-lower alkyl; R<sub>1</sub> is hydrogen; R<sub>3</sub> is hydrogen, hydroxy or lower alkyl; m is 1, 2 or 3; n is 1 or 2; and basic salts thereof such as ammonium salts, alkali metal salts, alkaline earth metal salts, salts with organic bases and salts with amino acids, formed in a conventional manner, characterized by acylating a compound of the formula III.

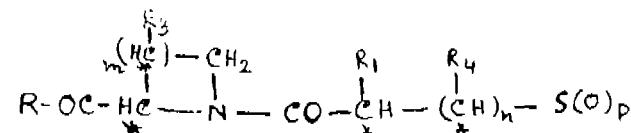
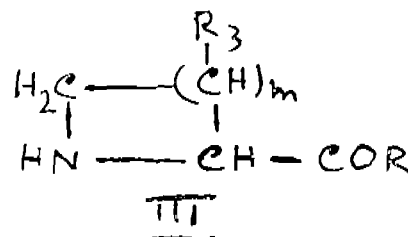
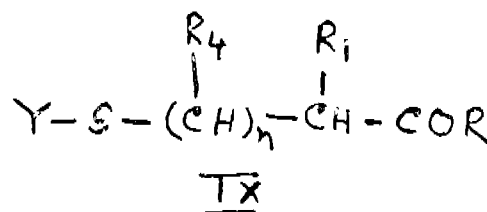


Fig. 1

wherein R, R<sub>1</sub>, R<sub>3</sub> and R<sub>4</sub> are as defined above; M is O or S; m is 1, 2 or 3; n and p each is 0, 1 or 2; and basic salts thereof such as ammonium salts, alkali metal salts, alkaline earth metal salts, salts with organic bases and salts with amino acids, formed in a conventional manner, characterized by acylating a compound of the formula III.



with an acid of the formula IX.



wherein Y is R<sub>2</sub> having the meanings given above except hydrogen and if a product of formula I wherein R<sub>2</sub> is hydrogen is desired then Y is a protecting group such as (a) the group shown in Figure 4.



Fig. 4

(b) the group shown in Figure 5.

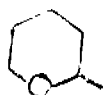


Fig 5

(c)  $\text{CH}_3 \text{ CONHCH}_2$  (d)  $\text{R-O-C} \begin{array}{c} \text{R}_1 \\ \parallel \\ \text{CH} \end{array} \begin{array}{c} \text{R}_4 \\ \parallel \\ \text{CH} \end{array} (\text{CH})_n \text{S-}$  or other sulfur protecting group wherein R, R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub>, R<sub>4</sub>, m and n are as defined above, the said protecting group being removed by conventional methods.

Comp. Specn. 61 Pages.

Drg. 5 Sheets.

CLASS 10F.

148219.

Int. Cl.-F42b 1/00.

#### GUN PROJECTILE ARRANGED WITH A BASE DRAG REDUCING SYSTEM.

*Applicant* : NILS-ERIC GUNNERS, RUNE VALENTIN HELLGREN AND TORSTEN LILJEGREN, OF FURUD-AISVAGEN 10, S-13700 VASTERHANINGE, SWEDEN, SODERMAN NAGATAN 18, S-11623 STOCKHOLM, SWEDEN AND SANDAVAGEN 28, S-140 32 GRODINGE, SWEDEN.

Application No. 522/Cal/76 filed March 25, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 13 Claims.

A projectile comprising a projectile body with a base having gas outlet nozzle means, wall means inside the projectile body defining a combustion chamber communicating with said outlet nozzle means and means for ejecting a controlled mass flow of gas into and liberating heat in the near wake zone of said body, comprising propellant grain means located in the combustion chamber and presenting a burning area related to the area of said gas outlet nozzle means such that the pressure in said combustion chamber is less than 10 bar and preferably does not exceed the pressure at the base by more than 0.01 to 0.5 bar, the area of said gas outlet nozzle means being related to the size of said propellant grain means such that said propellant grain means is operable to generate combustion gases during at least part of the flight time of the projectile.

Comp. Specn. 10 Pages.

Drg. 2 Sheets.

CLASS 171.

148220.

Int. Cl.-B22d 12/02, G02c 5/00.

#### IMPROVED BAR FOR SPECTACLE-FRAMES.

*Applicant* : S.P.A., GIUSEPPE RATTI INDUSTRIA OTTICA, OF LUNGODORA FIRENZE 119, 10 153 TORINO, ITALY.

*Inventor* : ORESTE BLUMENTHAL.

Application No. 817/Cal/77 filed May 31, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 12 Claims.

An improved bar for spectacle frames comprising a chain of articulated elements traversed by a deformable longitudinal core arranged to hold them together, characterized in that said chain of articulated elements comprises at least a single articulated element formed by part of a body of revolution as herein described, said body of revolution defined by surfaces described by rotating a plane figure having a circumferential arch of predetermined radius about an external axis, the other articulated elements of the chain being contiguous to said single articulated element and having their contacting faces so shaped to correspond to the faces of said single articulated element.

Comp. Specn. 17 Pages.

Drg 3 Sheets.

CLASS 156E.

145221.

Int. Cl.-F04c 27/00, F16j 15/54.

#### COMPOSITE MULTI-STAGE PUMP.

*Applicant* : MITSUI TOATSU CHEMICALS, INC., TOYO ENGINEERING CORPORATION AND EBARA CORPORATION, OF 2-5, KASUMIGASEKI 3-CHOME, CHIYODA-KU, TOKYO, JAPAN; 2-5, KASUMIGASEKI 3-CHOME, CHIYODA-KU, TOKYO, JAPAN; AND 11-1, HANEDA ASAHI-CHO, OTA-KU, TOKYO, JAPAN.

*Inventors* : SHIRO TAKANO, TOSHIO JOJIMA, HAJIME OSHIDA TADASHI YOKOI, MUNEO KATO AND TADASHI KOIZUMI.

Application No. 1276/Cal/77 filed August 17, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 16 Claims.

A composite multi-stage pump comprising a plurality of impellers serially and securely mounted on a shaft so as to form at least two pump sections, within each of the sections, a group of the impellers belonging to each of said sections being divided into two groups so that the thrust derived from one of said two groups upon rotation of the shaft counteracts with the thrust derived from the other group of the impellers, and sealing means for preventing leakage of liquid from leaking to outside of a pump housing and mounted in said housing to surround said shaft where said shaft extends through said housing at axially opposite ends thereof, and at least one pressure reduction means disposed on said shaft at a place between the last pump section and one of said sealing means.

Comp. Specn. 27 Pages.

Drg. 11 Sheets.

CLASS 39E.

148222.

Int. Cl.-C01b 15/12, 35/00.

#### SUPER-OXIDISED SOLID SODIUM PERBORATE AND PROCESSED FOR ITS MANUFACTURE.

*Applicant* : INTEROX, OF 33 RUE DU PRINCE ALBERT, B-1050 BRUSSELS, BELGIUM.

*Inventors* : JEAN BRICHARD AND JEAN-CLAUDE COLERY.

Application No. 149/Del/78 filed February 24, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

#### 11 Claims.

Process for the production of superoxidised solid sodium perborate in particle form characterised in that, into a fluidised bed dryer containing seeds of sodium perborate of dimensions smaller than those of the perborate particles which are to be obtained, said seeds being fluidised by means of a carrier gas, an aqueous solution containing hydrogen peroxide in concentrations above 30 wt.% is introduced simultaneously with an aqueous solution containing sodium metaborate in such quantities that the molar ratio between the hydrogen peroxide and the sodium metaborate introduced into the fluidised bed is above 1.12, and that the water present in the aqueous solution is evaporated by means of the carrier gas.

Comp. Specn. 18 Pages.

Drg. 2 Sheets.

CLASS 129P.

148223.

Int. Cl.-B23b 20/22.

#### PRESETTABLE TOOL SUPPORTING DEVICE.

*Applicant* : DEVLIEG MACHINE COMPANY, OF FAIR STREET, ROYAL OAK, MICHIGAN 48068, UNITED STATES OF AMERICA.

*Inventors* : HORST SCHURFELD, WOLFGANG PETERS AND ROBERT MARCEL ORTLIEB.

Application No. 1471/Cal/77 filed October 3, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 33 Claims.

A presettable tool supporting device for a machine tool, such device comprising a tool holder member having thereon means for fixing a tool thereto; a base member having attaching means for attaching the base member to a machine tool; locating means operable when the tool holder member is placed in engagement with the base member to locate each with the other along two axes; positioning means for locating the tool holder member with respect to the base member in a predetermined position along a third axis; and releasable locking means for detachably locking the tool holder member to the base member in such predetermined position, said locking means including a retaining element fixed to one of the member, clamping means on the other of the members adapted to clamp the retaining element, and actuating means, said retaining element having on opposite sides thereof longitudinally extending surfaces parallel with said third axis, said clamping means having holding surfaces arranged to engage said longitudinally extending surfaces of the retaining elements and the actuating means being operative for forcing the holding surfaces against the longitudinally extending surface to lock the tool holder member and the base member together.

Comp. Specn. 29 Pages.

Drg. 3 Sheets.

## OPPOSITION PROCEEDINGS

(1)

The opposition entered by Suga Engineering Company to the grant of a patent on application No. 141116 made by Star Engineering Works Limited as notified in Part-III, Section 2 of the Gazette of India, dated the 6th August, 1977 has been thrown away as instructions and a patent has been ordered to be sealed on the application.

(2)

An opposition has been entered by Lakhnapal National Limited to the grant of a patent on application No. 147577 made by Toshiba Anand Batteries Limited.

(3)

The application for Patent No. 146162 made by Director General, Research Designs & Standards Organisation, Lucknow in respect of which an opposition was entered by Escon Consultants Private Limited as notified in Part-III, Section 2 of the Gazette of India, dated the 29th September, 1979 has been treated as withdrawn.

## PRINTED SPECIFICATION PUBLISHED

A limited number of printed copies of the undernoted specifications are available for sale from the Officer-in-Charge, Government of India, Central Book Depot, 8, Hastings Street, Calcutta at two rupees per copy :—

(1)

138789 138790 138793 138794 138795 138796 138798 138800  
138801 138802 138804 138805 138806 138807 138808 138810  
138812 138814 138816 138817 138818 138819 138821 138824  
138825 138826 138829 138830 138831 138835 138836 138838  
138839 138840 138842 138843 138846 138848 138849 138852  
138857 138858.

(2)

113732 115326.

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115955 132876.

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142140 142147.

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142304 142314 142322 142348 142355 142364.

(10)

147286 147287 147292 147299.

(11)

147440 147443.

(12)

147189 147447 147450 147458 147459 147465 147467 147470

PATENTS SEALED

138061 146153 146154 147027 147056.

AMENDMENT PROCEEDINGS UNDER SECTION 57

(1)

Notice is hereby given that General Mills Chemicals, Inc., a corporation of the State of Delaware, United States of America, having an office and place of business at 4620, West 77th Street, Minneapolis, Minnesota 55435 United States of America, have made an application under Section 57 of the Patents Act, 1970 for amendment of application, specification and drawings of their application for patent No. 145985 for "Purification of Tamarind Gum by Air Classification". The amendments are by way of amendment of name of the applicants from "General Mills Chemicals Inc.", to "Henkel Corporation". The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700017 or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed form 30 within three months from the date of this notification at the Patent Office, Calcutta. If the written statement of opposition is not filed with the notice of opposition it shall be left within one month from the date of filing the said notice.

(2)

The amendments proposed by the Star Textile Engineering Works Limited in respect of Patent application No. 141116 as advertised in Part III, Section 2 of the Gazette of India, dated the 17th November, 1979 have been allowed.

## PATENTS DEEMED TO BE ENDORSED WITH THE WORDS "LICENCES OF RIGHT"

The following patents are deemed to have been endorsed with the words "Licences of right" under Section 87 of the Patents Act, 1970. The dates shown in the crescent brackets are the dates of the patents.

No.

Title of the invention

140599. (25-07-75) Process for preparing novel piperidine derivatives.

140627. (28-11-73) Improvements in or relating to removal of phosphorous and iron from fluorspar.

140632. (06-06-74) An improvement in the process for the production of semicoke and a fuel gas having calorific value of about 4000k. cal/Nm<sup>3</sup>.

140681. (10-12-74) Process for purifying sugar containing liquid.

140717. (27-07-74) A process for preparing a metallic melt essentially consisting of copper.

140727. (23-11-73) Process for preparing basic alkali sulfonate dispersion.

140737. (21-01-75) A process for the electrolytic production of p-aminophenols.

140744. (06-08-74) A process for cooling and purifying hot gases obtained by the gasification of solid and/or liquid fuel.

140755. (28-06-74) A process for preparing deashed solid and liquid hydrocarbonaceous fuel.
140756. (28-06-74) A process for preparing deashed solid and liquid hydrocarbonaceous fuel.
140824. (25-06-74) Process for preparing an activated sintered  $\alpha$ -alumina.

## RENEWAL FEES PAID

102883 107907 108086 108226 109338 110361 113026 113028  
 113152 113153 113327 113492 115364 115689 115690 116330  
 116685 118445 118493 118524 118685 118859 118860 120796  
 122467 122580 123889 123926 124045 124137 124204 124239  
 125641 128261 129119 129174 129211 129239 129260 129429  
 129438 129474 129487 129494 129518 129520 129600 129712  
 129834 130072 130310 130326 132113 133432 133451 133452  
 133453 133454 133531 133656 133774 133818 133830 133861  
 134078 135355 137036 137042 137079 137362 137372 137378  
 137387 137490 137506 137521 137526 137543 137544 137548  
 137551 137699 137907 137956 138095 138742 139182 139493  
 139745 140003 140107 140233 140266 140683 140894 140931  
 141234 141454 141589 141668 141751 141780 142558 142690  
 142856 143067 143214 143569 143660 144109 144298 144735  
 144794 144795 144812 144940 145124 145197 145302 145566  
 145578 145796 146062 146101 146104 146138 146333 146644  
 146748

## REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in each entry is the date of registration of the design included in the entry.

Class 1. No. 149209. ISP Overseas Pvt. Ltd., an Indian Company of Plot No. 50, Sector 27-A, Faridabad, Haryana, India. "Coolant Pump for Air Coolers". January 24, 1980.

Class 1. No. 149574. A.S. Enterprises of S-27, Krishan Nagar, Delhi-110051, an Partnership Concern. "Front Guard for Scooters", July 27, 1980.

Class 1. No. 149575. A.S. Enterprises of S-27, Krishan Nagar, Delhi-110051, an Indian Partnership Concern. "Mudguard Mumper for Scooter", July 27, 1980.

Class 1. No. 149576. A.S. Enterprises of S-27, Krishan Nagar, Delhi-110051, an Indian Partnership Concern. "Mudguard Mumper for Scooter", July 27, 1980.

Class 1. No. 149732. Ashok Kumar Gupta, an Indian National trading as Delhi Indo Business Centre, 1278, S.P. Mukerji Marg, Behind Novelty Cinema, Delhi-6. "Electric Iron". July 22, 1980.

Class 3. No. 149099. Larsen & Toubro Limited of I. & T House, Ballard Estate, Bombay-400038, Maharashtra, India, an Indian Company. "Electrical Unit Casing". December 20, 1979.

Class 3. No. 149408. Kine Electronics, 1-9-815, Adikmet, Hyderabad-500044 (A.P.). "Air Cooler". March 24, 1980.

Class 3. No. 149412. Nilkamal Plastic & Allied Industries, 5th Rewa Chambers, 1st floor, New Marine Lines, Bombay-400020, Maharashtra, an Indian Partnership Firm, "Milk Crate". March 31, 1980.

Class 3. No. 149799. Asian Advertisers, 20, Kala Bhavan, 3, Mathew Road, Opera House, Bombay-400004, Maharashtra, an Indian Partnership Firm. "Key Chain". August 19, 1980.

Class 3. No. 149854. Plasticrafters Limited, a limited company of I-A-6, Block 22, Federal "B" Industrial Area, Karachi-38, Pakistan. "Water Tap for Coolers". August 27, 1980.

## EXTENSION OF COPYRIGHT FOR THE SECOND PERIOD OF FIVE YEARS.

No. 142816

Class 4

## EXTENSION OF COPYRIGHT FOR THE THIRD PERIOD OF FIVE YEARS.

Nos. 136098, 137991, 137992 and 138068—Class 3.

S. VEDARAMAN,

Controller-General of Patents,  
 Designs and Trade Marks.